

In the Abstract:

Please delete the paragraph at page 8 lines 1 to 16.

Please add a new the paragraph at page 8 following line 16, as follows:

When measuring distances with a 3D image sensor, manufacturing tolerances, temperature variations and aging processes cause the various pixels in a receiving array of the sensor to deviate from one another to different degrees. In a method of calibrating the 3D image sensor, it is therefore the aim to calibrate the entire receiving array with respect to every pixel. The entire receiving array is illuminated at defined intervals exclusively with a modulated reference light source producing a calibrating radiation. Alternatively, the usual emitted light source can be used to generate the calibrating radiation via a deflection device. Two different distances can be simulated by carrying out two calibrating measurements with different phase relations between the emitted and received signals, thereby making it possible to detect distance-related errors for every pixel individually.

[RESPONSE CONTINUES ON NEXT PAGE]